**Context**   
   
- This application is a platform for people to find medical resource in different city and   
community.   
- Encounter represent a visit to the doctor’s office. The vital signs timeline is linked to the   
encounters. Each Encounter will have a single Vital Sign component.

Diagram

Description automatically generated

**Requirement**

• Implement an application based on the given model with Java swing.   
o Patients are able to look for a doctor under the near hospitals   
o Doctors are able to diagnose and leave encounter record based on vital signs   
o Community admins are able to modify the information under a community   
o System admin should have all access(CRUD) to all resources in this application   
• You’re free to have extension design based on the given model, but you’re not allowed   
to delete any element in the model.   
• Your application is required to manage user data(CRUD).   
• UI&UX will be considered as a part of grade.   
• Data validation(Non-null check, basic data type check)   
• Design different roles of users in this application:(System administrator, patient,   
hospital administrator, community administrator, etc)   
• Draw a class diagram and sequence diagram and write the description of your project.   
Put them in your README file.

Class Diagram:

